

REMARKS

Applicant requests the Examiner to consider the specific limitations of independent claim 1 which is now the only rejected independent claim. Claim 1 recites a printed circuit board that includes a supply voltage plane that is supported by a printed circuit board substrate. The supply voltage plane is embedded in a signal layer of the board to supply power to multiple *supply voltage pins of a component* that is mounted to the printed circuit board (*emphasis added*).

In contrast to the limitations of independent claim 1, Fang discloses a capacitor 52, which the Examiner contends discloses that the alleged supply voltage plane of Fang allegedly supplies power to multiple supply voltage pins of a component that is mounted to the printed circuit board. Final Office Action, 8.

However, contrary to the Examiner's position, the decoupling capacitor 52 (not a capacitor "chip," as contended by the Examiner) is depicted in the figures as being connected to the ground plane 14 and power plane 20 of Fang. *See, for example*, Fig. 5b of Fang. As recited above, claim 1 explicitly recites that the supply voltage plane supplies power to *multiple* supply voltage pins of a component that is mounted to the printed circuit board. The decoupling capacitor 52 of Fang does not contain multiple supply voltage pins. Rather, as explicitly shown in Fig. 5b of Fang, the decoupling capacitor 52 has a single pin that is coupled to the power plane 20 (i.e., at best a single supply voltage pin), not multiple supply voltage pins. The other pin of the decoupling capacitor 52 is shown as being connected to the ground plane 14.

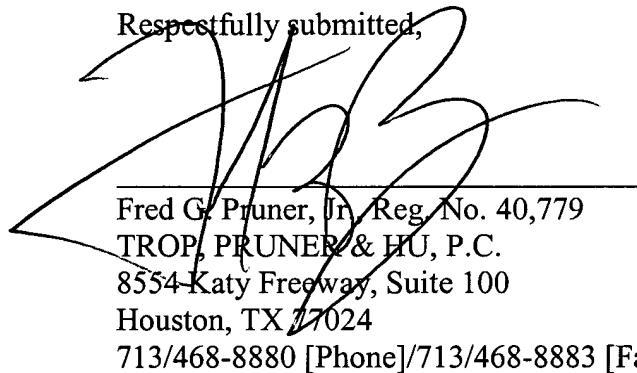
To anticipate a claim, a reference must teach all claim limitations. This requirement has not been met here, as Fang fails to teach all of the limitations of independent claim 1. As such, Applicant requests withdrawal of the § 102 rejection of independent claim 1 in view of Fang.

Claims 2-5 and 14 are patentable for at least the reason that these claims depend from an allowable claim.

CONCLUSION

In view of the foregoing, withdrawal of the remaining §§102 and 103 rejections and a favorable action in the form of a Notice of Allowance are requested. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-1504 (ITL.0644US).

Respectfully submitted,



Fred G. Pruner, Jr., Reg. No. 40,779
TROP, PRUNER & HU, P.C.
8554 Katy Freeway, Suite 100
Houston, TX 77024
713/468-8880 [Phone]/713/468-8883 [Fax]

Date: October 21, 2004